

P2 COMMITTEE ACTIVITIES AND TARGETS – FY – 2006

	ACTIVITIES (PROJECT LEADER)	TARGET	UPDATE
1.	Adopt-A-Building - lawn care (Sekura / Hodgson)	Volunteer building residents performing most of the necessary maintenance besides mowing at 3 buildings	Develop promotional program for weed-pulling, chemical spraying reduction. Discuss with Phil Kall and health & safety personnel first. DAP spoke with Kall - FD has no \$.
2.	Natural lawn care (Sekura)	Implement a more Earth-friendly lawn care program	D. Papcke spoke to Phil Kall. Kall said that Good Nature and Ohio Prairie Nursery use the same weed control that other use. Funding is also an issue.
3.	No mow zones (Sekura)	Reduce fossil fuel burning, resources, and chemicals used in lawn maintenance	P. Kall and R. Palyo discussing 3 of 5 suggested areas.
4.	Energy conservation program (Sekura)	Long-term: reduce demand from 23 to 17 MW per month. Short-term: Implement conservation programs for ODIN and general GRC	The Energy Team to contact ODIN for advice on computer energy conservation. Team has implemented many initiatives regarding boilers, building electricity guidelines, and renewable power to feed back into power grid.
5.	Alternative power at Lewis Field (Miller / Sekura / Wroblewski)	Produce 1% power renewably at Lewis Field or reduce power 1% by feeding into the grid	Contract with First Energy now includes the approval to produce power renewably. Dennis Eichenberg's PV field expansion parts have arrived. Wind power may be possible since GRC has a tower that is about the height of a wind turbine
6.	Alternative power at Plum Brook (Lallier / Miller / Sekura / Wroblewski)	Produce 1% power renewably at Plum Brook (Long-term = 2.5% +). (Produce renewable energy to feed back into grid, remove an area from grid, or use power for a project instead of grid.)	F. Miller, L. Sekura, H. Wroblewski met with M. Puzak. Miller to call Sprint to get permission to put wind monitor on the tower. F. Miller to contact First Energy after wind power results obtained. Lallier met with DOE about landfill gases as possible power sources for SPF. Puzak and Miller are investigating use of methane from local landfill to provide power. Also attempting to do wind monitoring.
7.	First Energy / Community collaborations for alternative power (Miller / Sekura / Wroblewski)	Begin one collaborative project	First Energy has been involved in some initial meeting between NASA and community sustainability people.
8.	Assist in providing wind power from Lake Erie (F. Miller)	Assist in GEO project by receiving data at NASA antenna – Target achieved when wind monitoring study completed.	Lake Erie crib monitor set up.
9.	Hydrogen power production at GRC (Sekura / Hoberecht / Prokopius)	Hydrogen is produced at GRC in preparation for a fueling station or for use in a project.	\$20K in funding received during Oct. The electrolyzer has arrived. Testing completed. Report is coming..
10.	Portable hydrogen unit (Sekura / Prokopius / Hoberecht)	Complete a prototype for general or military use.	Kevin Palmer (SAIC/DOD) is also looking for funding sources through the military. GRC is looking for other sources of funding, including the U. S.EPA.

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11.	Water conservation for cooling tower maintenance (Sekura / White)	Use rental portable unit, install permanent unit, or other method, to save water during shutdown	L. Sekura to follow up on cooling tower maintenance. Energy Team is now the Energy/Water Conservation Team.
12.	Water conservation project (Sekura)	Implement one substantial water conservation project.	W. Howser, R. Palyo, and others reviewing other GRC once-through water systems.
13.	Water conservation awareness program (Sekura)	Implement water conservation awareness program.	Meet with others to review water saving opportunities. Begin water conservation awareness program plan.
14.	Add 5 products to EPP site (Sekura) (Carryover from FY05)	5 EPP products posted on the EPP site	L. Sekura preparing website for June Environmental Conference
15.	Create a home products listing on the EPP site - add 5 products (Sekura)	5 EPP products posted on the EPP site.	L. Sekura preparing website for June Environmental Conference.
16.	Create an AP/CPG assistance listing on the EPP site (Center-focused) - add 5 products (Sekura)	5 EPP products posted on the EPP site.	L. Sekura preparing website for June Environmental Conference.
17.	Plastic bag program (Sekura)	Reduce bags and/or replace with biodegradable. Implement program.	On hold.
18.	Diapers vs. disposables LCA (Sekura)	Create LCA and post on P2 site.	In progress.
19.	Biodegradable cafeteria supplies (Sekura)	Implement pilot program	Attempt one starch-to-go container. Cafeteria management is open to permitting a project.
20.	New cafeteria set-up (Sekura)	Integrate sustainability concepts	The SOW that went out for bid included pro-P2 language. Advisory committee for P2/Nutrition suggested to mgmt. New cafeteria is not using washables.
21.	Laser paint removal in Hangar (Sekura)	Make case for laser equipment at GRC or help NASA contractor purchase or lease.	Indoor (various items) and outdoor tests (High Altitude Research Tunnel) completed the week of October 28. Awaiting results. Testing ongoing through KSC
22.	Soil pile prairie – West & Cryogenic (Walker/Buttler/Sekura)	Plant native prairie	Buttler (Pheasants Forever) seed at GRC. Soil will be needed for 2 projects. May plant half after first project. Seeds planted October 2005, some plants coming up.

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23.	Garnet recycling tech transfer (Kocher)	Investigate business-wide applications	Once the video is on the website, W. Kocher will contact Marshall. Yod needs a badge. Kocher to provide Phase I Power Point video for the P2 website – contact Sandra.
25.	Develop a web-based P2/Recycling training module(Kenzig/Kocher/Sekura)	Make available	M. Kenzig /S. Jacobson are working on the second draft of training module.
26.	Life Cycle Assessment tool (Kocher / Sekura)	Develop basic model	Develop combined qualitative / quantitative tool. Funding needed. A proposal has been submitted to USEPA HQ.
27.	EPP web site (Kocher/Sekura)	Develop analytical tool	Utsav has completed first version of computer tool. Public version eventually to be on web.
28.	Market EPP site NASA-wide (Kocher / Kenzig / Myers)	Implement EPP on GoLearn.com or similar	W. Kocher will work with CSU, other centers, and local environmental groups. US EPA may be interested. M. Kenzig to work with card holders.
30.	Strategic plan to include AP/EPP language in contracts (Kenzig/Myers)	Create clause language and incorporate into five contracts	Cafeteria SOW sustainability language developed, partially fulfilling 1 of 5 contract targets. M. Kenzig to meet with Procurement.
31.	EPP Chapter (Kocher / Sekura)	Publish EPP chapter	W. Kocher to see that the EPP chapter is approved. Editing in progress.
32.	Recycle Chapter (Kenzig)	Publish chapter	Chapter has been reviewed by Facilities and Safety / Health / Environmental.
33.	AP Chapter (Kenzig)	Publish chapter	Chapter has been reviewed by Facilities and Safety / Health / Environmental.
34.	Continue to convert EMO/other GRC vehicles to CNG/other alt. (Strawser)	All new/replacement vehicles capable of using alternative fuel	Energy bill passed - to provide for more usage of alternate fuels.
35.	Study of low-strength mortar and flowable fill containing recycled material (Kocher)	Develop guidance document	Report needs to be reorganized for Facilities to reflect Federal policy.
36.	Increase use of green janitorial supplies (Sekura / Jeziorowski)	Replace hazardous chemicals with environmentally preferable products	Sekura and Jeziorowski to have another meeting with Green Clean, Inc. and janitorial in April/May.
37.	Reduce energy consumption of unused hoods at GRC (Hodgson)	Evaluate hoods on a case-by-case basis. Number of hoods shut down TBD.	D. Papcke contacted B. Hodgson and Toni Mayor. Received information on hood regulations. Papcke to contact P. Mobley about hoods.

Projects on Hold

	ACTIVITIES (PROJECT LEADER)	TARGET	UPDATE
	Replace large Iridite uses (Sekura)	Performance testing done	MIL spec includes chromate. This is a dead issue until GRC specs change or a new chemical developed. New chromate standard proposed to go into place in January 2006.
	Initiate a OneNASA hydrogen power project (Sekura / Hoberecht / Prokopius)	Consensus is achieved by Hydrogen Power Working Group & funding secured.	On hold.
	Hydrogen powered fleet (Sekura / Hoberecht / Prokopius)	GRC has a working hydrogen pumping station. (Long-term: GRC has at least one hydrogen car)	On hold until #10 is completed and further funding is received.
	Sustainable cooling towers at GRC (Lallier / Myers)	Implement 1 tower – Eliminate disinfectant and/or minimize water use	Also, see short-term goals (#11). R. Lallier found another process to review. Write up to come.
	Real Time Monitoring pilot study at GRC – Lewis Field (Kocher)	Secure funding for a prototype unit	Funding needed. Project may move forward during the last half of CY 2005.

Projects Needing Reports to Complete

	ACTIVITIES (PROJECT LEAD)	TARGET	UPDATE
24.	Environmental management certification courses (Kocher/White)	Offer / complete one course	P2/Sustainability course will begin in January 2006. LCA to be included.
29.	Implement AP and EPP at PBS (Lallier / Kocher / Sekura)	One training session / up on Website	R. Lallier has been conducting environmental training sessions. AP and EPP are now a part of that training.